

Abstract

A vehicle pneumatic tire radial design includes a profiled tread, a multi-layered belt assembly, an inner layer, bead areas, having bead cores, side walls, having respective side wall lengths, and a casing structured and arranged in at least one layer and guided around the bead cores in the bead areas. The vehicle pneumatic tire radial design further includes at least one reinforcing profile, composed of a first elastomeric material and having a first crescent-shaped cross section, inserted in a region of each side wall, extending respectively at least over a large part of the side wall length. A core profile, composed of a harder material than the first elastomeric material and having a second crescent-shaped cross section, is structured and arranged in the at least one reinforcing profile.